

IN THE SPECIFICATION:

Please amend the Specification of the above-identified application as follows.

Please amend the heading beginning on page 1, line 1 as follows.

~~--Description~~BACKGROUND OF THE INVENTION--

Please add the following heading before the paragraph beginning on page 2, line 8.

~~--~~BRIEF SUMMARY OF THE INVENTION~~--~~

Please delete the paragraph beginning on page 2, line 25.

Please amend the paragraph beginning on page 8, line 23 as follows.

--The method of the invention is remarkable in that at least one first radiation means ~~according to at least one of the preceding claims~~ and at least one second radiation means ~~according to at least one of the preceding claims~~ projects at least a portion of the radiation from its at least one radiation source onto the measurement surface and at least one provided radiation detector means captures at least a portion of the radiation reflected and/or diffused off the measurement surface and emits at least one measurement signal which is characteristic of the reflected and/or diffused radiation, and that at least one control means is provided for controlling the capture of the measurement signals by the radiation detector

means, and that at least one output means is provided for outputting the at least one measurement result.--

Please amend the paragraph beginning on page 9, line 22 as follows.

--These show in: BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE  
DRAWINGS--

Please add the following heading before the paragraph beginning on page 9, line 27.

--DETAILED DESCRIPTION OF THE INVENTION--

Please amend the paragraph beginning on page 9, line 27 as follows.

--The device illustrated schematically in Fig. 1 for determining the properties of surfaces comprises a hemispherical housing 1 in which a first radiation means 2 is positioned at a specified angle  $\alpha$  relative ~~to~~ to a measurement surface 7.--

Please amend the paragraph beginning on page 10, line 5 as follows.

--The radiation means 2 includes – indicated schematically – three light sources 3, a diaphragm 4 and a lens means 5. The light emitting from one of the light sources 3 is limited in its aperture 6 by the diaphragm 4 and collimated by

the lens means 5, i.e., it is substantially bundled in parallel and impinges on the measurement surface 7 to be examined through the aperture 6.--

Please amend the paragraph beginning on page 10, line 12 as follows.

--The measurement surface 7 reflects at least a portion of the light, causing it to enter into ~~the~~a radiation detector means 8 which also comprises a lens 9, a diaphragm 10, a filter 11 and ~~the~~a light sensor 12. The radiation detector means 8 may be positioned at substantially the same angle  $\alpha$  as the first radiation means 2 relative the measurement surface 7 but it is preferably positioned at a different angle  $\beta$ .--

Please amend the paragraph beginning on page 10, line 19 as follows.

--Further, four second radiation means 19 in the sense of the device of the invention are positioned in the housing 1, such as the second radiation means with ~~the~~a radiation source 14, the light of which is substantially projected onto ~~the~~a diffusor 20 which in turn diffuses it in random directions, i.e. non-collimated, onto the measurement surface 7. The light cone of non-collimated light thus generated is designated with 15.--

Please amend the paragraph beginning on page 11, line 5 as follows.

--~~The~~A second irradiation source 19' and ~~the~~a corresponding diffuser 20' indicate schematically that said angle is variable. The embodiment illustrated in Fig. 1 is furthermore substantially movable across the measurement surface 7 via ~~the~~-illustrated wheels 21 and 22 such that the distance between the radiation means 2 and 19 and the radiation detector means 8 on the one hand and the measurement surface ~~7~~-on the other hand remains substantially constant.--

Please amend the paragraph beginning on page 11, line 13 as follows.

--Furthermore, the embodiment according to Fig. 1 comprises a travel measurement means which in the embodiment is formed by ~~the~~a rotational angle sensor 23 mounted to the wheel 21. The device of the invention further comprises a control device (not shown) for controlling the capture of the measurement signals of the radiation detector means 8 and an indicator means, also not shown, for outputting the measured values.--